

Converting Colors

XYZ(27.9376, 10.5754, 19.8867)

Have a look what the booklet for
XYZ(27.9376, 10.5754, 19.8867)
contains.

XYZ(30.2800, 15.1823, 20.7366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2800, 15.1823,
20.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	D2007D
RGB	210, 0, 125
RGB Percent	82%, 0%, 49%
CMY	0.1765, 0.9998, 0.5098
CMYK	0.00, 1.00, 0.40, 0.18
HSL	324°, 100%, 41%
HSV	324°, 100%, 82%
XYZ	30.2800, 15.1823, 20.7366
YIQ	77.0400, 85.0350, 83.3950

Conversions

Conversions Part 2

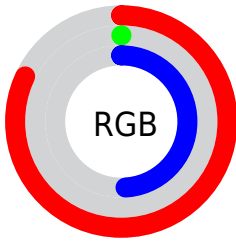
Format	Color
R _Y B	210, 0, 125
Decimal	13762685
CIE Lab	45.88, 74.75, -8.37
CIE LCh	46, 75.219, 353.608
Yxy	15.1823, 0.4574, 0.2293
Android (android.graphics.Color)	4291952765 (0xFFD2007D)
YUV	77.0400, 23.6443, 116.6059
Hunter-Lab	38.9645, 70.5278, -4.2786

Details

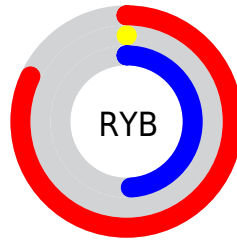
The XYZ color **30.2800, 15.1823, 20.7366** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **24.6884, 46.7499, 16.3251**, and the grayscale version is **7.0120, 7.3772, 8.0338**.

A 20% lighter version of the original color is **52.9320, 31.7867, 45.4651**, and **13.6989, 6.9114, 7.4495** is the 20% darker color. If you saturate the color by 10%, you get **30.2789, 15.1819, 20.7311**, and if you desaturate by 10%, it is **31.1156, 15.9468, 23.8106**.

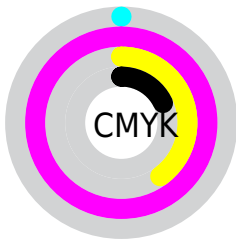
Distribution



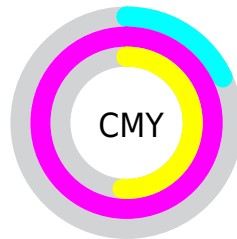
- Red (82%)
- Green (0%)
- Blue (49%)



- Red (82%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2800, 15.1823, 20.7366 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.2800, 15.1823, 20.7366 by changing the saturation by 10% instead.

 30.2800, 15.1823,
20.7366


 30.2800, 15.1823,
20.7366


295.0939,
224.4670, 268.6103


 20.2003, 8.9474,
12.7422


 59.4883, 35.1727,
45.5238


 12.6499, 4.7069,
7.1227


 79.3476, 49.6970,
63.1538


 7.2632, 2.0763,
3.4593


 103.1976, 67.7532,
84.8327

 3.6750, 0.6513,
1.3337

 131.4035, 89.7257,
110.9791

 1.5200, 0.0000,
0.0892

 164.3307,
115.9990, 142.0115

 0.3394, 0.0000,
0.0000

 202.3446,

 0.0000, 0.0000,

146.9573, 178.3484

0.0000

245.8106,
182.9852, 220.4085

■ 30.2800, 15.1823,
20.7366

■ 30.2800, 15.1823,
20.7366

■ 30.2789, 15.1819,
20.7311

■ 31.1156, 15.9468,
23.8106

■ 32.2905, 17.3135,
27.2325

■ 33.9039, 19.4795,
31.0409

■ 36.0104, 22.5520,
35.2590

■ 38.6562, 26.6219,
39.9072

■ 41.8818, 31.7687,
45.0040

■ 45.7238, 38.0639,
50.5662

■ 50.2155, 45.5727,
56.6095

■ 55.3879, 54.3556,
63.1488

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6571, 15.1823, 47.1606



30.2800, 15.1823, 20.7366



28.7560, 15.1823, 6.1102

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.2800, 15.1823, 20.7366



10.0726, 15.1823, 0.7120



8.3316, 15.1823, 63.6688

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.2800, 15.1823, 20.7366



24.6884, 46.7499, 16.3251

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.8856, 15.1823, 34.8583



30.2800, 15.1823, 20.7366



6.6651, 15.1823, 3.2542

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.2800, 15.1823, 20.7366



15.8325, 15.1823, 0.3046



5.3806, 15.1823, 12.9362



13.1135, 15.1823, 81.3046

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.2800, 15.1823, 20.7366



25.1975, 15.1823, 2.2415



5.3806, 15.1823, 12.9362



7.2729, 15.1823, 54.2721

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.2804, 15.1832, 20.7368



70.7187, 58.6836, 78.1420



15.2916, 6.5400, 61.4291



14.5702, 11.6273, 15.9212



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.2804, 15.1832, 20.7368



46.8884, 23.5193, 31.6739



26.7144, 13.7568, 1.9586



12.0998, 11.9247, 13.8013



18.5207, 9.2811, 12.9140



1.0743, 0.5344, 0.9262

Inverse Universe

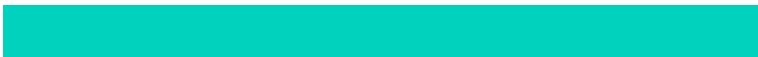
The Inverse Universe completely reimagines the original color for something new.



30.2804, 15.1832, 20.7368



46.8884, 23.5193, 31.6739



32.2328, 49.7677, 56.0536



12.0998, 11.9247, 13.8013



18.5207, 9.2811, 12.9140



1.0743, 0.5344, 0.9262

Previews

White Background



This preview shows how the XYZ color 30.2800, 15.1823, 20.7366 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.2800, 15.1823, 20.7366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2800, 15.1823, 20.7366

Background



This preview shows how black text looks on a background with the XYZ color 30.2800, 15.1823, 20.7366.



This preview shows how white text looks on a background with the XYZ color 30.2800, 15.1823,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.2800, 15.1823, 20.7366

Protanopia

17.1726, 16.0310, 44.8370

Deuteranopia

16.0178, 15.6983, 18.7088



Tritanopia

27.1495, 15.5575, 4.7039

Trichromacy



Original Color

30.2800, 15.1823, 20.7366



Protanomaly

17.4394, 11.4266, 34.0873



Deuteranomaly

18.3458, 12.1416, 18.8294



Tritanomaly

27.5973, 14.7954, 8.6090

Monochromacy



Original Color

30.2800, 15.1823, 20.7366



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5761, 7.3648, 11.4011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2800, 15.1823, 20.7366 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 0, 125)` looks like.

```
.text, #text, p{  
  color:rgb(210, 0, 125)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 125) }
```

Border

The CSS property to change the border of an element to XYZ 30.2800, 15.1823, 20.7366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 0, 125) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 0, 125) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2800, 15.1823, 20.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 125) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210, 0,  
125) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor